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ABSTRACT

This document presents a collection of strand maps that show how students' understanding of the ideas and skills that lead to literacy in science, mathematics, and technology might grow over time. The guide discusses strand maps in general and prose directly related to each individual map. The maps are built from benchmarks that were derived from the adult literacy goals of "Science for All Americans." The maps can be used for understanding benchmarks and standards, designing curriculum, planning instruction, developing and evaluating curriculum materials, constructing and analyzing assessment, and preparing teachers. Chapters include: (1) "The Nature of Science"; (2) "The Nature of Mathematics"; (3) "The Nature of Technology"; (4) "The Physical Setting"; (5) "The Living Environment"; (6) "The Human Organism"; (7) "Human Society"; (8) "The Designed World"; (9) "The Mathematical World"; (10) "Historical Perspectives"; (11) "Common Themes"; and (12) "Habits of Mind." (SAH)

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